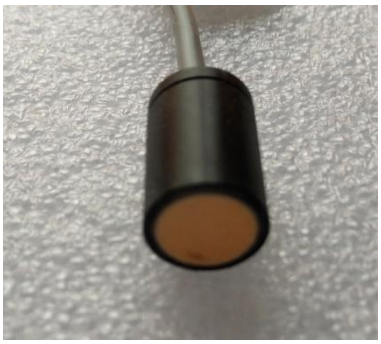
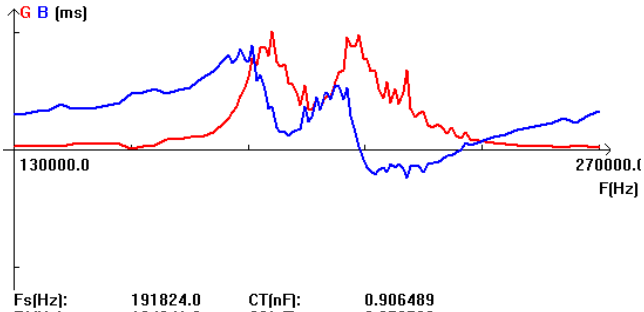
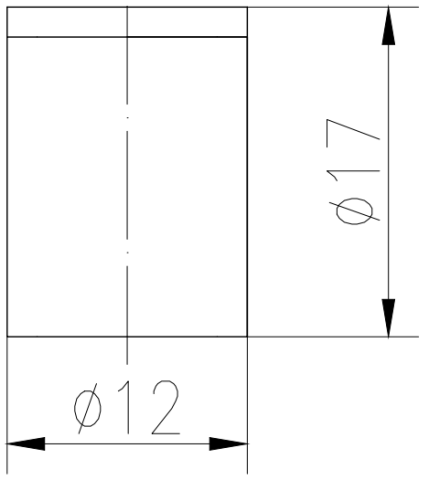
200KHz Ultrasonic Transducer (KUA-200-01DA)

Item	Parameters	Photo
Name	200KHz Ultrasonic Transducer	
Model	KUA-200-01DA	
Frequency	200KHz±5%	
Range	0.10～1.5m	
Minimum impedance	1000Ω±20％	
Capacitance	1980pF±20％ @1KHz	
Sensitivity	emits voltage:200Vpp, distance 0.3m, echo amplitude 6mV	
Working voltage	Peak point voltage＜900 VPP	
Working temperature	-40～+80℃	
Pressure	≤3kg or 0.3MPa	
Angle	(Beam width) half-power angle@-3dB:10°±10%, Sharpness angle: 23°±10%	
Housing material	plastic	
Usage	ultrasonic level sensor, monitor, anti-collision, security	
IP grade	IP68	
Weight	5g±5％(cable length: 22cm)	
Wring	Integrated interface: red: transducer+, white: transducer-, black: shielded wire, (without temperature sensor by default)	

Admittance graph	Dimension
	

Fs(Hz):	191824.0	CT(nF):	0.906489
F1(Hz):	184841.9	C0(nF):	0.879730
F2(Hz):	197315.5	C1(nF):	0.026759
Qm:	15.378407	L1(mH):	25.727419
Gmax(ms):	0.495958	E33T:	0.000000
R1(ohm)	2016.298706	Kp:	0.790475
Fp(Hz)	239200.0	Zmax(kOhm)	22.713980
Keff:	0.597405	F0:	215512.0

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